

## ABSTRACT

The present invention provides a method for producing a tantalum or niobium powder which controls releasing and contamination of impurities such as Fe, Ni, Cr, and Mo, which are derived from a reaction vessel, to a range in which characteristics of tantalum or niobium are not influenced. The method for producing a tantalum or niobium powder of the present invention is a method in which a metal salt containing tantalum or niobium is reduced in a diluent salt to obtain a tantalum or niobium powder, wherein a total percentage of moisture in the metal salt and the diluent salt is 0.2% by mass or less, as determined by the Karl Fisher method based on an amount of moisture generated by heating the metal salt and the diluent salt to 600°C.